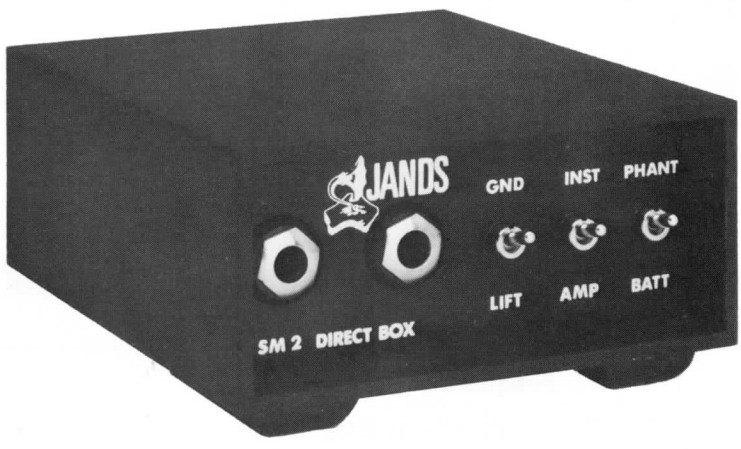
# Instrument Direct Box SM2




Jands model SM2 instrument direct injection unit, is a second generation product, a development of JANDS popular SM1 unit. The unit is designed to be used in conjunction with guitars, keyboard instruments and synthesizers, in order to feed the signal from these devices to a mixing console.

The SM2 eliminates the need for a microphone and thus ensures that the signal arriving at the mixer is as clean as possible and not subject to "spill" from other sound sources. This direct injection unit is ideally suited for use wherever maximum separation and minimum speaker distortion is considered essential. Examples of typical applications include splitting from bass guitars, keyboard instruments, acoustic guitars and synthesisers.

The SM2 may be used in either of two modes, in the first the signal direct from the instrument, is fed through the D.I. to the instrument amplifier, a split being provided for the mixer. Alternatively should the "sound" of the amplifier be considered desirable the SM2 may be connected to the extension speaker outlet of the amplifier, in this mode the switch marked AMP – INST must be switched to the AMP position.

There is a ground lift switch which may be switched to the lift position to isolate the mixer ground from the instrument ground. This switch should be used when hum problems occur.

The SM2 may be powered by either of two methods. The unit will accept standard 24-48V phantom power from mixers equipped with this facility. Alternatively the unit may be powered by 2 standard 9V type 216 batteries. A switch is provided to switch from battery to phantom power, when using batteries this switch should be left in the phantom (battery off) position, when the unit is not in use.

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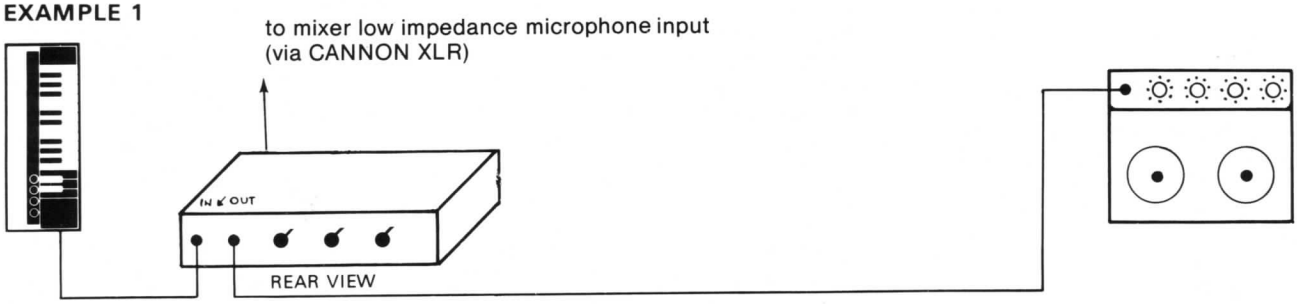
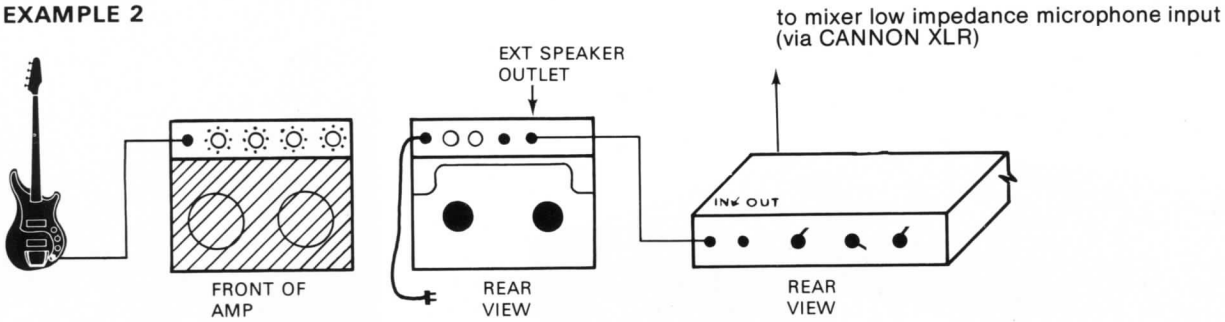
# Connection Methods

**EXAMPLE 1**




**1. Sound direct from instrument.**

**EXAMPLE 2**




**2. Sound from amplifier.**

## TECHNICAL SPECIFICATIONS

**Input Impedance**

Instrument 1 m Ohms
Amplifier 470 K Ohms

**Maximum Input** (Phantom Powered)

Instrument 9 V RMS
Amplifier 100 V RMS

**Maximum Input** (Battery Powered)

Instrument 3 V RMS
Amplifier 35 V RMS (300 W)

**Output Impedance**

600 Ohms Balanced

**Maximum Output Level**

10 V (Phantom Powered)

**Maximum Output Level** (Battery Powered)

3.5 V (+ 13 dBM)

**Frequency Response**

30 HZ – 16 KHZ
(± 0.5 dB)

**Power Requirements**

Phantom 24-48 V
Battery 2 x 9 V
(Everyready 216 or equivalent)

**Input Connectors**

2 x ¼" Phono Sockets

**Output Connector**

1 x 3 Pin Cannon type XLR – 3 – 31

**Dimensions**

53 x 100 x 113 mm

**Weight**

650 grams

**FOR DETAILS PLEASE CONTACT:**

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